# 受賞講演 / Award Lecture

## 受賞講演1　受賞講演 / Award Lecture 1　Award Lecture

日　時：11月17日（金）　15：25 ～ 17：20　第1会場（B1F メインホール）
座　長：松原 洋一（国立成育医療研究センター研究所）
Date：Friday, Nov.17　15：25 ～ 17：20　Room1（Main Hall, B1F）
Chair：Yoichi Matsubara（National Center for Child Health and Development）

学会賞2016

### 小児先天性疾患の臨床・分子遺伝学的研究

### Clinical and molecular genetic in congenital disorders

○緒方 勤（Tsutomu Ogata）
浜松医科大学小児科
（Department of Pediatrics, Hamamatsu University School of Medicine）

学会賞2017

### 分子細胞遺伝学的アプローチによる癌と遺伝性疾患のゲノム・エピゲノム解析研究

### Genomic and epigenomic analysis of cancer and genetic disorders by molecular cytogenetic approach

○稲澤 譲治（Johji Inazawa）
東京医科歯科大学難治疾患研究所　分子細胞遺伝
（Medical Research Institute, Tokyo Medical and Dental University）

貢献賞2016

### Bone dysplasia families

○西村 玄（Gen Nishimura）
埼玉医大病院、難病センター
（Intractable Disease Center, Saitama Medical University）

貢献賞2017

### わが国の臨床遺伝医療のあゆみ

### Clinical Genetics in Japan

○福嶋 義光（Yoshimitsu Fukushima）
信州大学　医学部
（Shinshu University School of Medicine）

奨励賞16-1

### 染色体工学技術を用いた新規ダウン症候群モデル細胞・動物の作製と解析

### Generation of novel Down's syndrome model mice and cells via chromosome engineering technology and the characterization

○香月 康宏（Yasuhiro Kazuki）
鳥取大学大学院医学系研究科 染色体工学研究センター
（Chromosome Engineering Research Center (CERC) and Graduate School of Medical Science, Tottori University）

奨励賞16-2

### 骨・関節疾患の感受性遺伝子の研究

### Studies on Susceptibility Genes for Bone and Joint Diseases

○中島 正宏（Masahiro Nakajima）
理化学研究所統合生命医科学研究センター骨関節疾患研究チーム
（Laboratory for Bone and Joint Diseases, Center for Integrative Medical Science, RIKEN）

奨励賞16-3

### 次世代シークエンスデータの解析手法の開発と、日本人及び肝臓癌の全ゲノム解析

### Comprehensive variant analysis of a Japanese individual and liver cancer genomes

○藤本 明洋[1,2]（Akihiro Fujimoto）
1　京都大学大学院　医学研究科　創薬医学講座
（Department of Drug Discovery Medicine, Graduate School of Medicine, Kyoto University）
2　理化学研究所　統合生命医科学研究センター
（RIKEN, Center for Integrative Medical Sciences, Yokohama, Japan）

奨励賞17-1 **新規先天性疾患MIRAGE症候群の発見と疾患概念確立**

**Discovery of MIRAGE syndrome**

○鳴海 覚志(Satoshi Narumi)
国立成育医療研究センター研究所　分子内分泌研究部
(Department of Molecular Endocrinology, National Research Institute for Child Health and Development)

奨励賞17-2 **ゲノム解析を通した希少自己免疫性疾患の病態解明と治療応用**

**Genetic analyses of rare autoimmune diseases for clarification of pathophysiology and development of new treatment**

○寺尾 知可史(Chikashi Terao)
理化学研究所　統合生命医科学研究センター　統計解析研究チーム
(Laboratory for Statistical Analysis, RIKEN Center for Integrative Medical Sciences)

奨励賞17-3 **神経筋疾患(単一遺伝子病からrare variant関連疾患まで)の原因解明**

**Genetic study on neuromuscular disorders**

○宮武 聡子(Satoko Miyatake)
横浜市立大学遺伝子診療部
(Clinical Genetics Department, Yokohama City University Hospital)

## 受賞講演2　国際JHG賞受賞講演
## Award Lecture 2　The Journal of Human Genetics Young Scientist Award Lectures

日　時：11月17日(金)　17：20 ～ 18：20　第1会場(B1F メインホール)
座　長：松本 直通(横浜市立大学大学院医学研究科遺伝学)
Date：Friday, Nov.17　17：20 ～ 18：20　Room1 (Main Hall, B1F)
Chair：Naomichi Matsumoto (Department of Human Genetics, Yokohama City University Graduate School of Medicine)

JHG16-1 **Comprehensive DNA methylation analysis of peripheral blood cells derived from patients with first-episode schizophrenia**

○Masaki Nishioka[1,2]、Miki Bundo[1,3]、Kiyoto Kasai[2]、Kazuya Iwamoto[1,3]
1 Department of Molecular Psychiatry, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan
2 Department of Neuropsychiatry, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan
3 Department of Molecular Brain Science, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan

JHG16-2 **Mutation spectrum and genotype-phenotype correlation of hearing loss patients caused by SLC26A4 mutations in the Japanese: a large cohort study**

○Maiko Miyagawa、Shin-ya Nishio、Shin-ichi Usami
Department of Otorhinolaryngology, Shinshu University School of Medicine

JHG16-3 **The Indonesian Archipelago: An Ancient Genetic Highway Linking Asia and the Pacific**

○Meryanne K. Tumonggor[1,2]、Tatiana Karafet[3]、Brian Hallmark[3]、J. Stephen Lansing[1,4]、Herawati Sudoyo[2]、Michael Hammer[3]、Murray Cox[5]
1 School of Anthropology, University of Arizona
2 Eijkman Institute for Molecular Biology
3 Arizona Research Laboratories, Division of Biotechnology, University of Arizona
4 Santa Fe Institute
5 Institute of Fundamental Sciences, Massey University

JHG17-1 **Downregulation of the microRNA-1/133a cluster enhances cancer cell migration and invasion in lung-squamous cell carcinoma via regulation of Coronin1C**

○Hiroko Mataki[1]、Takeshi Chiyomaru[2]、Keiko Mizuno[1]、Hiromasa Inoue[1]、Naohiko Seki[3]
1 Department of Pulmonary Medicine, Graduate School of Medical and Dental Sciences, Kagoshima University
2 Department of Urology, National Hospital Organization Kagoshima Medical Center
3 Department of Functional Genomics, Graduate School of Medicine, Chiba University

JHG17-2

## Chaperone therapy for Krabbe disease: potential for patients with late-onset GALC mutations

○Mohammad Arif Hossain[1]、Katsumi Higaki[2]、Hitoshi Sakuraba[3]、Yoshiyuki Suzuki[4]、Keiichi Ozono[1]、Yoshikatsu Eto[5]、Norio Sakai[1]

1 Department of Pediatrics, Osaka University Graduate School of Medicine
2 Division of Functional Genomics, Tottori University
3 Department of Clinical Genetics, Meiji Pharmaceutical University
4 Tokyo Metropolitan Institute of Medical Science
5 Advanced Clinical Research Center, Institute of Neurological Disorders

JHG17-3

## The first story is about connecting the dots - Bridging the gap between genes, brain and behavior

○Sara Mascheretti[1]、Vittoria Trezzi[1]、Valentina Riva[1]、Denis Peruzzo[2]、Andrea Nordio[2]、Roberto Giorda[3]、Cecilia Marino[4]、Ginette Dionne[5]、Andrea Facoetti[1,6]、Simone Gori[1,7]、Filippo Arrigoni[2]

1 Child Psychopathology Unit Scientific Institute, IRCCS Eugenio Medea
2 Neuroimaging Lab - Scientific Institute, IRCCS Eugenio Medea
3 Molecular Biology Lab, Scientific Institute, IRCCS Eugenio Medea
4 Centre for Addiction and Mental Health, University of Toronto
5 School of Psychology, Laval University
6 Developmental Cognitive Neuroscience Lab, Department of General Psychology, University of Padua
7 Department of Human and Social Sciences, University of Bergamo